



Second Circular



Guadalupe, Extremadura, Spain, October 17-24th, 2019

Organized under the support of :

The International Subcommittee on Ediacaran Stratigraphy
The International Subcommittee on Cambrian Stratigraphy

General information

The International Meeting on the Ediacaran System and the Ediacaran–Cambrian Transition (IMECT 2019) is open to presentations on all aspects of the Ediacaran System and its boundaries, including organisms and their interpretation, litho/bio/chrono/chemo- and event stratigraphy, sedimentology, geomicrobiology, (bio)geochemistry, geochronology and geodynamics. Field trips will provide opportunities to visit key outcrops of the Ediacaran and Ediacaran–Cambrian transition in the Central-Iberian Zone of the Iberian Massif.

Particularly welcome are contributions dealing with the nature of the Ediacaran–Cambrian transition. In Spain, Brasier, Perejón & San José (1979. *Estudios Geológicos* 35, 379-383) described stratigraphical overlap of what was then considered pre-Cambrian and Cambrian faunal elements. Afterwards, the stratigraphical distribution of early skeletal fossils and trace fossils in this Ediacaran back-arc setting episodically affected by pulses related to the Cadomian Orogeny has brought this topic into sharp focus. A surge of recent publications from various continents have further raised the question if there is a sharp divide between organisms typical of respectively the Ediacaran and Cambrian or a more gradual transition and overlap.

Another topic of recent interest and debate is the number and nature of Ediacaran glaciations. In addition to the well-established probably regional ~580 Ma Gaskiers glaciation, a range of other putative Ediacaran glacial events, likely of regional extension, have been reported. A recent addition to an upper Ediacaran glaciogenic event is the peri-Gondwanan ~565 Ma “Weesenstein-Orellana glaciation” (Linnemann et al. 2018. *International Journal of Earth Sciences* 107, 885-911) with outcrops in the Central Iberian Zone.

Organizing Committee

J. Javier Álvaro, Instituto de Geociencias (UCM/CSIC) Madrid.

Sören Jensen, Teodoro Palacios and Mónica Martí Mus, Universidad de Extremadura, Badajoz.

José María Barrera Martín-Merás, Iván Cortijo and Javier López Villuercas-Ibores-Jara UNESCO Global Geopark.

Additional assistance during the post-conference field trip:

Ulf Linnemann, Senckenberg Naturhistorische Sammlungen, Dresden.

Agustin Pieren Pidal, Universidad Complutense, Madrid.

Sponsorship

Villuercas-Ibores-Jara UNESCO Global Geopark (www.geoparquevilluercas.es)

University of Extremadura (www.unex.es)

Spanish Geological Society (SGE. www.sociedgeologica.es)

Spanish Geological Survey (IGME. www.igme.es)

Meeting fees

Thanks to generous sponsorship from the Villuercas-Ibores-Jara UNESCO Global Geopark the following fees apply. Visa/Master card payment will be possible. Payment can also be made by bank transfer. There will be available limited financial contributions to help graduate students, post-docs, and junior scientists to participate in the meeting. Application form is provided at the end of this circular.

1. Full registration -----345 EUR

This includes participation in the scientific sessions and pre- and post-conference field trips; ice breaker; lunches and coffee/tea breaks during field trips and scientific sessions; conference dinner; proceedings volume.

2. Scientific sessions and pre-conference field trip-----210 EUR

This includes participation in the pre-conference field trip and scientific sessions; ice breaker; lunches and coffee/tea breaks during the pre-conference field trip and scientific sessions; conference dinner; proceedings volume.

3. Scientific sessions and post-conference field trip -----265 EUR

This includes participation in the scientific sessions and post-conference field trip; ice breaker; lunches and coffee/tea breaks during the post-conference field trip and scientific sessions; conference dinner; proceedings volume.

4. Scientific sessions only-----130 EUR

This includes participation in the scientific sessions; ice breaker; lunches and coffee/tea breaks during the scientific sessions; conference dinner; proceedings volume.

5. Accompanying persons not attending scientific sessions or field trips -----80 EUR

This includes ice breaker; coffee/tea breaks during scientific sessions; conference dinner.

	16 Wednesday	17 Thursday	18 Friday	19 Saturday	20 Sunday	21 Monday	22 Tuesday	23 Wednesday	24 Thursday
MAIN EVENTS		PRE-MEETING FIELD TRIP		SCIENTIFIC SESSIONS		POST-MEETING FIELD TRIP			
			20h/8pm ICEBREAKER	14h/2pm SUBCOMMISSION MEETING	14h/2pm SUBCOMMISSION MEETING 21h/9pm CONFERENCE DINNER	20h/8pm GROUP DISCUSSION	20h/8pm GROUP DISCUSSION		
AIRPORT TRANSPORTATION Madrid-Barajas Adolfo Suárez Airport (MAD) 17h/5pm MAD to Guadalupe			16h/4pm MAD to Guadalupe			10h/10am Guadalupe to MAD			Field trip bus continues to MAD, scheduled arrival 19h/7pm
OVERNIGHT LOCATION	Guadalupe	Guadalupe	Guadalupe	Guadalupe	Guadalupe	Guadalupe	Guadalupe	Navalmoral de la Mata	

16th October (Wednesday). Transport from Madrid-Barajas Adolfo Suárez Airport (MAD) if needed.

17-18th October (Thursday-Friday): Pre-conference field trip: Ediacaran and Lower Palaeozoic within the Villuercas-Ibores-Jara UNESCO Global Geopark. See below for additional details.

18th October. Transport from MAD airport if needed. An Ice-Breaker reception will be held in Guadalupe on the evening of the 18th.

19-20th October (Saturday-Sunday): Oral presentations (15 minutes + 5 minutes for questions) and posters (A0 format) in Guadalupe. Talks and posters will be presented in English.

Lunch meetings of Subcommissions planned for the 19th and 20th.

A conference dinner will be held on the evening of the 20th.

Weather permitting, there will be astronomical observations with a telescope on the evening of the 19th at a summit near Guadalupe.

21st October (Monday) Transport to MAD airport if needed.

21-24th October (Monday-Thursday): Post-conference field trip: Visit to several key Ediacaran and Ediacaran–Cambrian transition sections. See below for additional details.

Group discussion on Ediacaran glaciations, planned for the evening of the 21st.

Group discussion on Ediacaran–Cambrian transition palaeoichnology, and more generally on current debates on the definition of the Ediacaran–Cambrian boundary interval planned for the evening of the 22nd.

End of field trip at MAD airport at about 19h (7pm).

Publications

1. Abstracts. Extended abstracts will be published in ESTUDIOS GEOLOGICOS (estudiosgeol.revistas.csic.es/index.php/estudiosgeol) an index journal published by the Spanish National Research Council and Instituto de Geociencias. Abstracts can be up to 4 pages and may include images: total text about 3500 words, being each figure broadly equivalent to 1000 words. See author guidelines on journal home page.
Abstract deadline May 30, 2019. Please send abstracts to Javier Alvaro (jj.alvaro@csic.es).
2. The same issue of ESTUDIOS GEOLOGICOS will contain field guides and papers reviewing the Ediacaran and basal Cambrian geology and palaeontology of the Central Iberian Zone prepared by the organizing committee.
3. A special volume with a selected number of peer reviewed papers to be published in an indexed journal. Publication venue to be announced.

Official language for abstracts, posters and presentations: English.

Meeting venue

The meeting will be held in the municipality of Guadalupe (Extremadura, 39° 27'N, 05° 19'W), located some 175 km south-west of Madrid within the Villuercas-Ibores-Jara UNESCO Global Geopark. Reception, ice breaker and scientific sessions will take place in the cultural and conference centre of Guadalupe "Centro Cultural Puebla y Villa de Guadalupe".

about-spain.net/tourism/extremadura.htm

www.spain.info/en/que-quieres/ciudades-pueblos/otros-destinos/guadalupe.html

www.geoparquevilluercas.es/?lang=en



Map showing location of the Villuercas-Ibores-Jara UNESCO Global Geopark to the SW of Madrid. Major roads and towns/villages are indicated. The IMECT 2019 meeting will be held in Guadalupe. The pre-conference field trip will visit localities within the geopark. Areas to be visited during the post-conference field trip are indicated by squares, with numbers indicating respective dates.

Guadalupe is a historical municipality of some 2000 habitants situated within a scenic mountainous landscape. It is the location of the Royal Monastery of Santa María de Guadalupe, a UNESCO World Heritage Site (whc.unesco.org/en/list/665). In addition to a rich cultural and geological heritage in Guadalupe and its surroundings it may also be noted botanical diversity and very limited light pollution resulting in spectacular night skies. Companies within the geopark provide opportunities for guided tours to explore the geology, landscape, wildlife and astronomy.

Travel to Guadalupe

Madrid-Barajas Adolfo Suárez Airport (MAD) (<http://www.aena.es/en/madrid-barajas-airport/index.html>) located north-east of greater Madrid is the closest international airport. The organisers will provide the following bus services for attendants:

16 October. 17:00h (5pm) Terminal 1 (Terminals 2 and 3 are connected by 5 minutes' walk along airport corridors) followed by stop at Terminal 4. Scheduled arrival to Guadalupe at 20:30h (8:30pm), although sensitive to Madrid traffic.

18 October. 16:00h (4pm) Terminal 1 (for terminals 1, 2, 3) followed by stop at Terminal 4. Scheduled arrival to Guadalupe at 19:30h (7:30pm), although sensitive to Madrid traffic.

21 October. 10:00h (10am) from Guadalupe. Scheduled arrival to Terminal 1 at about 13h (1pm), followed by stop at Terminal 4. Time of arrival is sensitive to Madrid traffic.

24 October. For attendants to the post-conference field trip the bus will continue to MAD. Scheduled arrival to Terminal 1 is 19h (7pm), followed by stop at Terminal 4. Time of arrival is sensitive to Madrid traffic.

ATTENDANTS WHO PLAN TO MAKE USE OF THIS SERVICE PLEASE MAKE THIS KNOWN TO THE ORGANIZERS.

For visitors wishing to explore the Villuercas-Ibores-Jara UNESCO Global Geopark at their leisure car rental in Madrid is recommended. Alternatively, car rental is possible in Toledo and Talavera de la Reina, both with frequent public transport connections with Madrid. There exists no car rental within the Villuercas-Ibores-Jara UNESCO Global Geopark. SAMAR provides bus connections from Madrid (bus station "Madrid Estacion Sur") to Guadalupe (about 4h). www.checkmybus.co.uk/bus-providers/grupo-samar.



Views of Guadalupe including the Royal Monastery of Guadalupe and, lower right, the nearby ~1600 m Pico de la Villuercas summit. Upper right, view from entrance to "Centro Cultural Puebla y Villa de Guadalupe" location of ice breaker and scientific sessions.

Additional information

Electricity. Spain uses 220-240 volts, 50 Hz, with grounded CEE 7/3 sockets compatible with plugs used over much of Europe. British and most non-European attendants will need to bring adapters to connect their equipment and make sure that their electrical equipment is compatible with the mains voltage.

Time. Spain is on Central European Time, that is, 9h behind eastern Australia/Vladivostok Time; 8h behind Chinese Standard Time; 3.5h behind Iran Time; 6h ahead of US Eastern Time; 9h ahead of US Pacific Time. Daylight Saving Time is in effect during the meeting. Attendants staying on in Spain after the meeting should note that Daylight Saving Time ends on October 27.

Weather. Average high/low temperatures in Guadalupe for the end of October is about 18°C (64°F) /7°C (45°F). The possibility of rain is relatively low. Duration of daylight at the end of October is--applying Daylight Saving Time--about 8:30h (8:30am) to 19:30h (7:30pm).

Meal hours and special food requirements. A note regarding Spanish meal hours: lunch is generally served after 14/2pm; evening meals after 21/9pm. Attendants with special food requirements should let this be known to the organizers well ahead of time.

Travel. Attendants prone to motion sickness are advised to bring remedies as somewhat winding roads will be encountered in the surroundings of Guadalupe and some of the roads that will be travelled during field trips.

Field trips

Pre-conference field trip

17-18 October

This field trip will provide an opportunity to explore some of the scenery and geology of the Villuercas-Ibores-Jara Geopark. Planned stops include examination of upper Ediacaran deep-water sediments; *Cloudina*-bearing carbonates in the area of Castañar de Ibor; examination of block containing type material of *Cloudina carinata* in the Cañamero visitors centre; and Ordovician Armorican Quartzite with *Daedalus* and *Cruziana*. A more detailed and complete itinerary will be presented in the third circular.



Clock-wise from upper left: Detail of block with type material of *Cloudina carinata*, housed in the geopark visitors centre in Cañamero; filamentous fossils of a type observed in Ediacaran–Cambrian transitional beds; vertically oriented lower Ordovician trace fossil *Daedalus*; late Ediacaran carbonates with *Cloudina* close to Castañar de Ibor.

Post-conference field trip

21-24 October.

During this field trip a range of upper Ediacaran sedimentary environments within the south-western part of the Central Iberian Zone will be examined.

October 21. “Weesenstein-Orellana glaciation” in the area of the Orellana dam.

October 22. *Cloudina*-microbial buildups developed on an unstable platform locally uplifted by the influence of the Cadomian Orogeny, Villarta de los Montes.

October 23. Ediacaran-Cambrian transition in the Huso River and uncompleted rail-way section “Via Verde de la Jara”, La Nava de Ricomalillo, with trace fossils and *Beltanelliformis* carbonaceous compressions in offshore siliciclastics, and *Cloudina*-bearing slope aprons in nearby Arroyo de Cubilar

October 24. Arrocampo section with shallow-water carbonates interrupted by slope-apron breccia deposits overlain by siliciclastics containing Cambrian-type trace fossils.

A more detailed and complete itinerary will be presented in the third circular.



Clock-wise from upper left: Sediments of the “Weesenstein-Orellana glaciation”, area of the Orellana dam; *Cloudina*-bearing bioherms and patch reefs, Villarta de los Montes; *Treptichnus pedum*, Arrocampo; small *Beltanelliformis* and simple trace fossils, uncompleted railway section near La Nava de Ricomalillo.; aforementioned section, now the “green-way” “Via Verde de la Jara”. (see www.viasverdes.com/en/principal.asp).

Contact

Updated information about the meeting can be found on the following web page dedicated to the meeting: www.geoparqueylluercas.es/imect2019/

The third circular will be distributed to those who have registered for the meeting and will also be posted on the meeting web page.

General questions about the meeting or scientific sessions – Sören Jensen (soren@unex.es) or Javier Álvaro (jj.alvaro@csic.es).

The organizing committee

IMECT 2019 FINANCIAL ASSISTANCE FORM

Please insert below:

1. Applicants name, nationality, and institution.
2. Applicants email address for correspondence.
3. If Master or Ph.D student, or post-doctoral fellow, please indicate which applies and provide advisors name and contact details and where relevant a support letter.
4. Indicate your planned participation in the meeting (field trips, presentations), the relevance of the meeting to your studies/research and your financial needs.

Return a signed and dated form to Sören Jensen (soren@unex.es) before March 30 2019.